

OFFICE OF CIVILIAN DEFENSE  
WASHINGTON, D.C.

CIVIL AIR PATROL

GM-77

NATIONAL HEADQUARTERS  
WASHINGTON, MARCH 1, 1943

Subject: Civil Air Patrol Stations in the  
War Emergency Radio Service

To: All Unit Commanders, Civil Air Patrol

1. GENERAL

The Board of War Communications has authorized the Federal Communications Commission to provide a separate class of service within the War Emergency Radio Service for use of Civil Air Patrol.

a. The Commission's rules and regulations governing "Civil Air Patrol Stations" under Title 47 - Telecommunication - Chapter I, Part 15 (Effective June 12, 1942) were promulgated January 19, 1943.

b. National Headquarters has compiled and forwarded a composite of those rules and regulations which govern all stations in the War Emergency Radio Service, together with specific Sections which pertain only to "Civil Air Patrol Stations."

c. Operation, supervision, and control of all Civil Air Patrol Stations in the War Emergency Radio Service will conform to the Federal Communications Commission's Rules and Regulations, and in addition will be governed by and conform to specific orders, regulations, procedures, instructions and recommendations issued by the National Commander, Civil Air Patrol.

2. PRIORITIES FOR WAR EMERGENCY  
RADIO SERVICE EQUIPMENT CAP STATIONS.

By agreement, pursuant to the authorization of Civil Air Patrol Stations in the War Emergency Radio Service, the manufacture of new equipment is not encouraged. There are no priorities for purchase of equipment or parts for maintenance of equipment in the WERS and only such equipment as may be available without priority will be utilized.

3. PROCESSING OF APPLICATIONS FOR NEW STATION LICENSES  
OR FOR MODIFICATION OF STATION LICENSES.

CIVIL AIR PATROL STATION LICENSES WILL BE ISSUED ONLY TO THE  
DULY APPOINTED WING COMMANDERS OF CIVIL AIR PATROL. WING COMMANDERS

3/1/43

WILL FORWARD ALL APPLICATIONS FOR STATION LICENSES AND FOR MODIFICATIONS OF STATION LICENSES TO NATIONAL HEADQUARTERS, CIVIL AIR PATROL APPLICATIONS OR INQUIRIES SENT DIRECT TO THE FEDERAL COMMUNICATIONS COMMISSION WILL BE RETURNED.

a. F. C. C. Form No. 455, Application for Authority to construct and Operate Radio Stations in the War Emergency Radio Service" will be executed by the Wing Commander after preparation by the Wing Communications Officer.

b. Applications for renewal of Station licenses will be submitted to National Headquarters sixty days prior to the expiration date specified in the Station license. Application for Renewal of station licenses will be made on Form No. 405 in accordance with Section 15-53 (c) of the rules and regulations.

c. Legal possession of all transmitter units donated or otherwise procured by means other than ownership in the Wing Commander will be evidenced by execution of the standard lease form prescribed by National Headquarters, a copy of which is available at Wing Headquarters. Ownership of all transmitting apparatus constructed by Civil Air Patrol personnel from components will be vested in the name of the Wing Commander. The lease forms will be executed in triplicate, the original to remain in the possession of the lessor, one carbon copy to be retained by the Wing Commander as lessee, and the third which must also be a carbon copy, will be forwarded to National Headquarters with the application for the station license.

d. Application for modification of Station licenses will be made in the same manner as prescribed for new station licenses.

e. Information relative to transmitter units, monitoring facilities, lease forms, and technical data, and any other information which may be requested by the Wing Commander or the Wing Communications Officer, will be processed through each echelon within the Wing, via channels, as follows:

(1) All material will be prepared by the Squadron Communications Officer for the Squadron Commander, who will indicate his approval by endorsement and forward to Group Headquarters.

(2) The Group Communications Officer will review and check the material, and if found to be satisfactory, he will obtain the approval of the Group Commander, who will indicate his approval by endorsement and forward to the Wing Commander. Section (2) will not apply to Wings which do not have Group Commands.

(3) The Wing Communications Officer will review and check the material, and prepare the proper F. C. C. forms, supplementary statements, etc. The Wing Commander and the Wing

3/1/43

Communications Officer will execute and forward the forms direct to National Headquarters.

(4) The procedure for routing correspondence and concurrences pertaining to station licenses or modifications shall be conducted via channels in the manner outlined in e. (1), (2), and (3).

(5) On F. C. C. Form 455, 9 a, no map need be included as all operations will be within the state boundaries of each station licensee.

4. SUPPLEMENTARY STATEMENTS.

Supplementary statements required under Section 15.92 of the Rules and Regulations will conform to the following:

a. General operating procedure. - Only recognized aviation terminology will be used in the transmission of messages in accordance with TD-32 - "Telephone Communications."

b. Scope of Service to be rendered. - Civil Air Patrol stations will confine all activities to official operations within the State boundaries of each station licensee.

c. Type of messages to be transmitted - All transmissions will relate strictly to Civil Air Patrol activities.

d. Methods to be used in monitoring, supervising, and controlling the operation of all stations for which the license is requested, including method of compliance with Restricted Order No. 2 -

(1) All Wing, Group, and Squadron Communications Officers will be held strictly accountable for the monitoring, supervising and controlling of the operation of all stations authorized under the station license within their respective Unit.

(2) During actual air raid conditions all Civil Air Patrol transmitters will be silent.

(3) When Civil Air Patrol stations are in operation, there will be one control station at all such times, which will be provided with at least one attended, operating Broadcast Receiver. This receiver will be installed at a convenient central point in the station and will be kept tuned to the designated Key Station or Relay Key Station, whichever is in control of the area. All stations will cease transmission upon the receipt of instructions or signals from the Station in control of the area.

- e. Method used to measure the operating frequency of the transmitters. -

Communications Officers will be directly responsible within their respective Unit for assuring that adequate facilities are available for measuring the operating frequencies of the transmitters. (Some of the approved measuring methods include Lecher wires, frequency meters, and calibrated receivers.) Whatever the method adopted, provision for frequent inspection and checking of calibration will be made in accordance with Section 15.26 of the rules and regulations. The procedures established and the measuring apparatus to be used must be described.

- f. Provisions for frequent inspection of the equipment. -

Communications Officers will establish procedures for and assure that all equipment will be subjected to frequent inspection to assure that all apparatus is in working order. The procedure established must be described.

- g. Source and distribution of the equipment. -

The source of equipment and the manner in which ownership or legal possession has been vested in the name of the Wing Commander as Station Licensee must be indicated.

- h. Identification of transmitters. -

All the various Units of a Station Licensee will display prominently a photostatic copy of the station license, in addition to satisfactorily complying with Sections 15.41 and 15.54 of the F. C. C. Rules and Regulations applying to WERS.

#### 5. TYPE OF STATIONS PERMITTED.

Portable, Portable-Mobile or Mobile stations may be used in Civil Air Patrol. It is recommended that all stations be licensed as Portable-Mobile. Fixed Stations or transmitters connected to elevated antenna structures will not be installed in any airport or other Civil Air Patrol base.

#### 6. PROCESSING OF APPLICATIONS FOR RADIO OPERATOR PERMITS, INCLUDING ELIGIBILITY AND CERTIFICATION OF OPERATOR PERSONNEL.

Because of the serious danger to the National Security of permitting civilian possession or operation of radio transmitters during wartime, the Board of War Communications has charged the Federal Communications Commission with responsibility for

3/1/43

establishing the unquestionable loyalty and integrity of all Operator personnel authorized to operate transmitters. National Headquarters has assumed responsibility for the certification of Civil Air Patrol radio operator personnel. Accordingly, Wing Commanders and all Communications Officers will be held strictly accountable for the endorsement of members certified to National Headquarters as radio operators. Certification of any radio operator will be withdrawn at any time when in the opinion of the Wing Commander or National Headquarters the operator's actions or conduct shall justify such withdrawal.

a. Applications for radio operator permits will be executed by the applicant (who must be a member of Civil Air Patrol) on F. C. C. Form No. 457, under the supervision of the Squadron Communications Officer. The application, together with certification by the Communications Officer that the member has successfully completed the prescribed course in "Telephonic Communications" will be processed through channels in the same manner as that prescribed for processing Station License Applications (3 e. 1, 2, only.)

b. Radio Operator permits are valid only when certified by the Wing Communications Officer and holders are authorized to operate only those stations licensed to the particular Wing of which the Operator is a member.

c. All Civil Air Patrol stations will be operated by or in charge of Civil Air Patrol operators holding valid War Emergency Radio Service operator permit and such operation will be in accordance with Sections 15.30 and 15.94 of the Rules and Regulations.

#### 7. LIAISON WITH OTHER FEDERAL AGENCIES.

All liaison with other Federal Agencies on matters pertaining to Civil Air Patrol Stations in the War Emergency Radio Service will be conducted by National Headquarters.

#### 8. COMMUNICATION WITH OTHER CLASSES OF STATIONS, AND OPERATION DURING EMERGENCIES (OTHER THAN ACTUAL AIR RAIDS.)

Civil Air Patrol transmissions will be confined to official activities within the State boundaries of each Wing. Communication with other Civil Air Patrol Stations or with other Classes of Stations will be conducted only upon specific order or authorization of the Wing Commander, and in strict conformance with Sections 15.42, 15.93, 15.63 and 15.96 (e) of the Rules and Regulations. Complete explanation of the circumstances justifying such operation, together with a copy of the log covering the actual transmissions will be forwarded to National Headquarters, Civil Air Patrol, immediately following the incident.

By direction of National Commander JOHNSON:

*Sheldon B. Steers*  
SHELDON B. STEERS  
Major, Air Corps  
Training Officer



Mr. Chase

OFFICE OF CIVILIAN DEFENSE  
WASHINGTON, D.C.

CIVIL AIR PATROL

NATIONAL HEADQUARTERS  
WASHINGTON, MARCH 6, 1943

Subject: General Memorandum No. 77 - Civil Air Patrol Stations  
in the War Emergency Radio Service

To: All CAP Coastal Patrol and Liaison Patrol Commanders

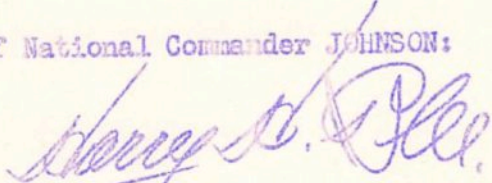
1. Reference is made to General Memorandum No. 77 (GM-77), this Headquarters, March 1, 1943, Subject: Civil Air Patrol Stations in the War Emergency Radio Service, copy of which is attached hereto.

2. Attention is directed to the fact that the subject memorandum refers only to Civil Air Patrol stations in the War Emergency Radio Service (WERS) and in no way pertains to CAP Coastal Patrol and Liaison Patrol ground and aircraft radio installations and operations.

3. All said Coastal Patrol and Liaison Patrol ground and aircraft radio installations operate under Certificates of Authorization issued by the Office of the Chief Signal Officer and are required to conform to the provisions of said Certificates of Authorization.

4. Coastal Patrol and Liaison Patrol units are not authorized to construct and/or operate radio stations in the War Emergency Radio Service.

By direction of National Commander JOHNSON:

  
HARRY H. BLEE  
Colonel, Air Corps  
Operations Officer

att.